

Claims

The claimed invention is:

1. A video display device comprising:
2 a display configured to display a primary image and a
3 picture-in-picture image (PIP) overlaying the primary image;
4 a processor operatively coupled to the display and
5 configured to receive a first video data stream for the primary
6 image, to receive a second video data stream for the PIP, and to
7 change a PIP display characteristic in response to a
8 characteristic present in the primary image.

1 2. The video display device of Claim 1, wherein the PIP
3 display characteristic is at least one of a position of the PIP
4 on the display, a display size of the PIP, and a transparency of
5 the PIP.

1 3. The video display device of Claim 1, wherein processor is
2 configured to analyze at least one frame of the first video data
3 stream and detect at least one of a continuous color portion and
4 a continuous texture portion on the at least one frame as the
5 characteristic present in the primary image.

1 4. The video display device of Claim 1, wherein processor is
2 configured to analyze at least one frame of the first video data
3 stream and determine whether there is a person image on the at
4 least one frame as the characteristic present in the primary
5 image.

1 5. The video display device of Claim 1, wherein processor is
2 configured to analyze at least one frame of the first video data
3 stream and determine whether there is a person image on the at
4 least one frame and at least one of a continuous color portion
and a continuous texture portion as the characteristic present in
the primary image.
And could

1 6. The video display device of Claim 1, wherein processor is
2 configured to analyze at least one frame of the first video data
3 stream and determine a behavior present on the at least one frame
4 as the characteristic present in the primary image.

1 7. The video display device of Claim 1, wherein the PIP
2 display characteristic is a position of the PIP and wherein the
3 processor is configured to reposition the PIP to minimize
4 overlaying a portion of the primary image wherein the
5 characteristic is present in the primary image.

1 8. The video display device of Claim 1, wherein the PIP
2 display characteristic is a size of the PIP and wherein the
3 processor is configured to resize the PIP to minimize overlaying
4 a portion of the primary image wherein the characteristic is
5 present in the primary image.

A 1 could
1 9. The video display device of Claim 1, wherein the PIP
2 display characteristic is a transparency of the PIP and wherein
3 the processor is configured to render the PIP transparent to
4 transparently overlay a portion of the primary image wherein the
5 characteristic is present in the primary image.

10. The video display device of Claim 1, wherein the PIP
1 display characteristic is a size and a position of the PIP and
2 wherein the processor is configured to determine the size and the
3 position of the PIP to minimize overlaying a portion of the
4 primary image wherein the characteristic is present in the
5 primary image.

A1
cancel

11. The video display device of Claim 1, wherein the video
2 display device is a television.

005727-0390260